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**Alumna**: Catalina Saldías Arévalo

**Profesor**: Daniel Montero Valenzuela

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**Informe:**

**Corporate Travel Management Platform**

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## **Abstract**

This project consists of the design and development of a Corporate Travel Management Platform intended to optimize the way organizations plan, approve, and monitor business travel. Corporate trips are essential in many industries, yet they often lead to fragmented procedures, excessive administrative work, and limited expense control. The platform addresses these challenges by centralizing requests, approvals, reservations, and expense tracking into a single digital solution.

The relevance of this project lies in its direct application to the professional field of Computer Engineering, as it demonstrates the ability to design secure, scalable, and user-friendly systems that respond to real business needs. By integrating technical knowledge with organizational problem-solving, this project provides companies with greater transparency, efficiency, and cost control, while also reflecting the competencies expected from a graduate profile in the discipline.

## **Resumen**

Este proyecto consiste en el diseño y desarrollo de una plataforma de gestión de viajes corporativos destinada a optimizar la forma en que las organizaciones planifican, aprueban y supervisan los viajes de negocios. Los viajes corporativos son esenciales en muchos sectores, pero a menudo dan lugar a procedimientos fragmentados, un exceso de trabajo administrativo y un control limitado de los gastos. La plataforma aborda estos retos centralizando las solicitudes, las aprobaciones, las reservas y el seguimiento de los gastos en una única solución digital.

La relevancia de este proyecto radica en su aplicación directa al campo profesional de la ingeniería informática, ya que demuestra la capacidad de diseñar sistemas seguros, escalables y fáciles de usar que responden a las necesidades reales de las empresas. Al integrar los conocimientos técnicos con la resolución de problemas organizativos, este proyecto proporciona a las empresas una mayor transparencia, eficiencia y control de los costes, al tiempo que refleja las competencias que se esperan de un perfil de graduado en esta disciplina.

## **Summary**

The project emerged as a response to common inefficiencies faced by companies in managing corporate travel. Many organizations lack centralized tools, leading to delays in approvals, poor visibility of expenses, and difficulties in controlling costs. This platform proposes a web-based system where:

* Employees can request and book trips.
* Managers can approve expenses in real time.
* Administrators can generate analytical reports to support strategic decisions.

The **objectives** of the project are:

1. To design a centralized platform for corporate travel requests and approvals.
2. To improve transparency and control over travel-related expenses.
3. To enhance user experience with a modern and intuitive interface.
4. To ensure scalability and data security aligned with professional standards.

The **methodology** applied follows an 18-week plan, divided into three phases:

* **Phase 1: Project definition** (requirements, roles, initial design).
* **Phase 2: Development and integration** (system implementation, security, and usability).
* **Phase 3: Testing and delivery** (validation, adjustments, and deployment).

Resources considered include digital infrastructure, collaborative tools, and iterative reviews. Potential challenges such as time limitations or technical constraints were identified, and contingency measures were proposed, including task prioritization and modular design.

The **evidence** of project development includes requirement documents, prototypes, progress reports, and final testing results, all of which demonstrate the achievement of objectives and competencies.

## **Individual Conclusion**

From a personal perspective, this project allowed me to connect academic training with real business needs, reinforcing both technical and professional competencies. Skills such as requirement analysis, system design, and collaborative teamwork were essential throughout the process. Moreover, the project reflects my professional interests in software development, business solutions, and digital transformation, as it directly addresses challenges faced by modern organizations.

I conclude that the project not only strengthened my ability to apply technical knowledge but also highlighted the importance of aligning solutions with organizational strategy, cost efficiency, and user experience. This alignment represents a key competence in the professional field of Computer Engineering.

## **Closing Thought**

The Corporate Travel Management Platform demonstrates that technological innovation can have a direct impact on business efficiency and organizational competitiveness. Its feasibility within the scope of the course confirms that projects with practical applications can be developed effectively when combining planning, methodology, and professional discipline.

The experience gained is highly valuable for my future career, as it not only strengthens my technical abilities but also reinforces the relevance of building solutions that integrate academic knowledge with organizational benefits. This project represents both a personal and professional milestone, laying the foundation for future contributions in the field of information systems and business innovation.